

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number  
**WO 2005/086139 A1**

(51) International Patent Classification<sup>7</sup>: **G10L 19/00**,  
H04S 3/02, 5/00

(21) International Application Number:  
PCT/US2005/006359

(22) International Filing Date: 28 February 2005 (28.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/549,368 1 March 2004 (01.03.2004) US  
60/579,974 14 June 2004 (14.06.2004) US  
60/588,256 14 July 2004 (14.07.2004) US

(71) Applicant (for all designated States except US): **DOLBY  
LABORATORIES LICENSING CORPORATION**  
[US/US]; 100 Potrero Avenue, San Francisco, CA  
94103-4813 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **DAVIS, Mark,  
Franklin** [US/US]; Dolby Laboratories Licensing  
Corporation, 100 Potrero Avenue, San Francisco, CA  
94103-4813 (US).

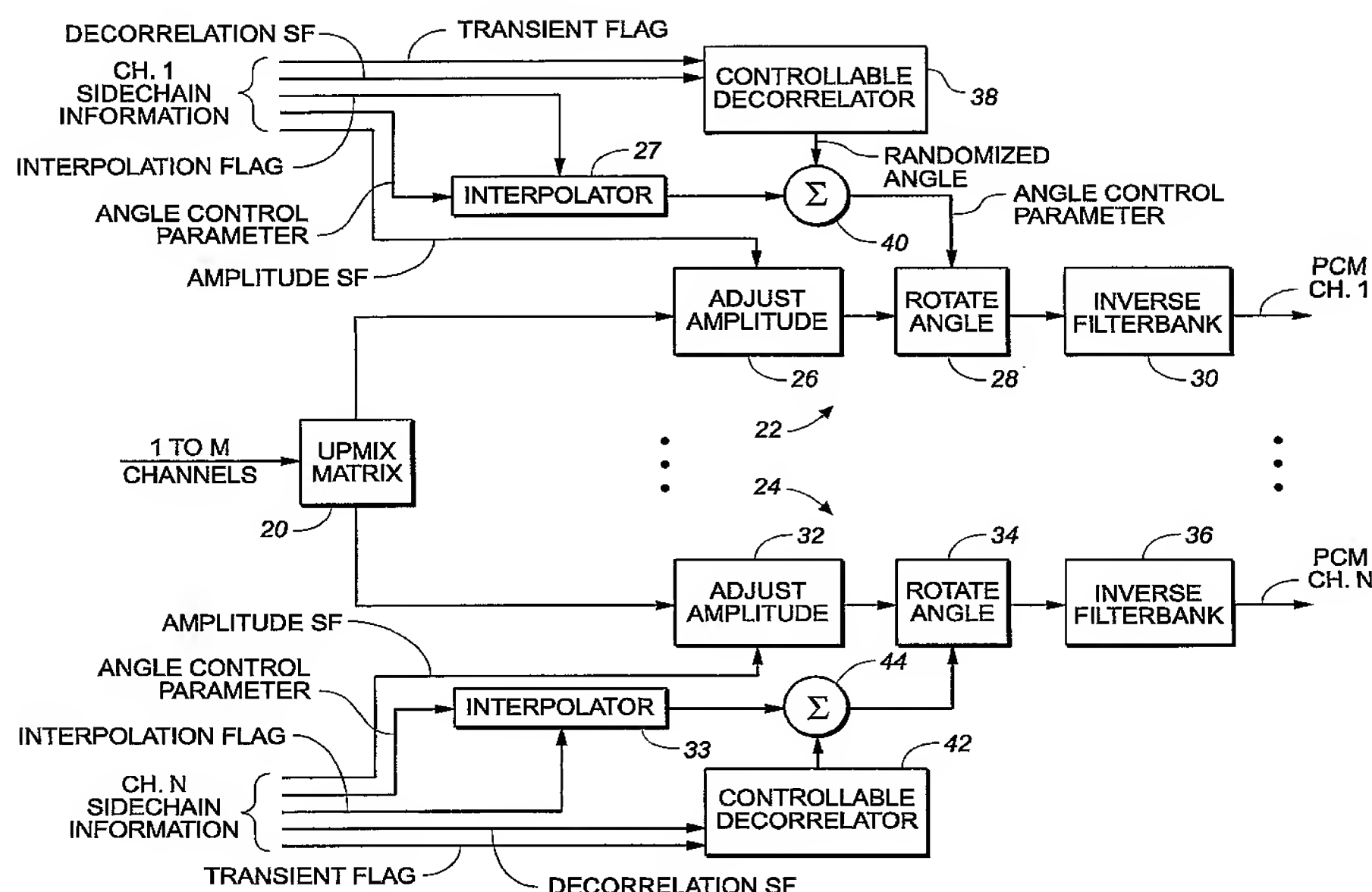
(74) Agents: **GALLAGHER, Thomas, A.** et al.; Gallagher &  
Lathrop, Suite 1111, 601 California Street, San Francisco,  
CA 94108-2805 (US).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: MULTICHANNEL AUDIO CODING



(57) Abstract: Multiple channels of audio are combined either to a monophonic composite signal or to multiple channels of audio along with related auxiliary information from which multiple channels of audio are reconstructed, including improved downmixing of multiple audio channels to a monophonic audio signal or to multiple audio channels and improved decorrelation of multiple audio channels derived from a monophonic audio channel or from multiple audio channels. Aspects of the disclosed invention are usable in audio encoders, decoders, encode/decode systems, downmixers, upmixers, and decorrelators.

WO 2005/086139 A1



**Published:**

— *with international search report*

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